

23 March 2001

E/RA1:BHR

MEMORANDUM FOR: All POP Co-Chairs

FROM: Bruce H. Ramsay, 2001 Executive Secretary  
Satellite Products and Services Review Board

SUBJECT: Information on "The NOAA MODIS/Near-Real-Time System" and  
MODIS Team Participation on SPSRB POPs

Please route this memo and attached article, *The NOAA MODIS/Near-Real-Time System*, to your POP members per Gene Legg's Information Briefing on *EOS Prototype Operational Instruments* at the March SPSRB meeting and the SPSRB decision to list specific MODIS products on the NWS Requested Operational Products and Services List.

#### MODIS Team Participation on NOAA/NESDIS Product Oversight Panels (POPS)\*

A decision was made several years ago at the NOAA/NASA Roundtable meetings to get an operational user assessment of select MODIS products. A NESDIS processing system was installed at Goddard and is now producing MODIS products for North America and surrounding coastal oceans in near real time (< 180 minutes after data ingest). The products will be delivered to Suitland and Camp Springs as soon as the data communications links between Goddard, Suitland, and Camp Springs are upgraded, perhaps in the summer 2001. The Goddard system is running NASA software with algorithms from the MODIS Science Team. The MODIS Level 1 and 2 products are listed below. These products will be made available through the Satellite Services Division's Satellite Environmental Processing System (SATEPS) for access by NOAA Science Center customers.

#### PGE\*\* PGE Name

01	Level 1A Geolocation File
02	Level 1B
03	L2 Cloud Masks/Profiles
04	L2 Atmosphere
06	L2 Clouds
07	L2 Snow Cover
08	L2 Sea Ice
09	L2 Ocean Color
10	L2 SST

\*\* PGE = Product Generation Executive

NASA is concerned that the products be thoroughly checked out before release to NOAA users and to the general public. In an exchange of letters, Helen Wood and Vince Salomonson, the MODIS PI, worked out a set of protocols for release of MODIS products. They agreed that release of MODIS products generated on the NOAA system at Goddard be handled through the SPSRB and POP procedures. There will be a MODIS Science Team representative on each of the appropriate POPs who will advise on when the products are of sufficient quality to distribute. The 3 designated MODIS Science Team members who will advise on MODIS products are:

Atmospheric products:	Dr. Bill Ridgeway ( <a href="mailto:bill.ridgeway@smawins.com">bill.ridgeway@smawins.com</a> )
Land products:	Dr. Eric Vermote ( <a href="mailto:eric@kratmos.gsfc.nasa.gov">eric@kratmos.gsfc.nasa.gov</a> )
Ocean products:	Dr. Wayne Esaias ( <a href="mailto:wayne.esaias@gsfc.nasa.gov">wayne.esaias@gsfc.nasa.gov</a> )

\* Per the email message of 13 March 2000, K. Metcalf to All POP Co-chairs, Subject: MODIS Team Participation on POPS.

Current NASA Terra/MODIS information may be found at:

Terra (EOS AM-1): <http://terra.nasa.gov/>  
Aqua (EOS PM-1): <http://eos-pm.gsfc.nasa.gov/>  
MODIS Web: <http://modis.gsfc.nasa.gov/MODIS/>  
MODIS Atmosphere: <http://modis-atmos.gsfc.nasa.gov/>  
MODIS Land: <http://modis-land.gsfc.nasa.gov/>  
MODIS Ocean: <http://modis-ocean.gsfc.nasa.gov/>  
MODIS Calibration: <http://modis.gsfc.nasa.gov/MODIS/CAL/>  
MODIS Characterization Support Team: <http://mcstweb.gsfc.nasa.gov/index.html>  
EOS Systems Status: <http://jupiter02.gsfc.nasa.gov:591/sysstat/>

See also:

CIMSS MODIS: <http://cimss.ssec.wisc.edu/modis1/modis1.html>  
Science Data Products: <http://cimss.ssec.wisc.edu/modis1/modpage2.html>

NOAA/NESDIS MODIS Products

Technical Point of Contact: Gene Legg ([Gene.Legg@noaa.gov](mailto:Gene.Legg@noaa.gov))

Current NOAA/NESDIS MODIS information may be found at:

North America Near-real-time-processing Of land, atmosphere, and Ocean Kolor (NANOOK) - MODIS Weather Products:  
<http://psbsgi2.nesdis.noaa.gov:1234/eospoi/modis/modismain.htm>